TSI

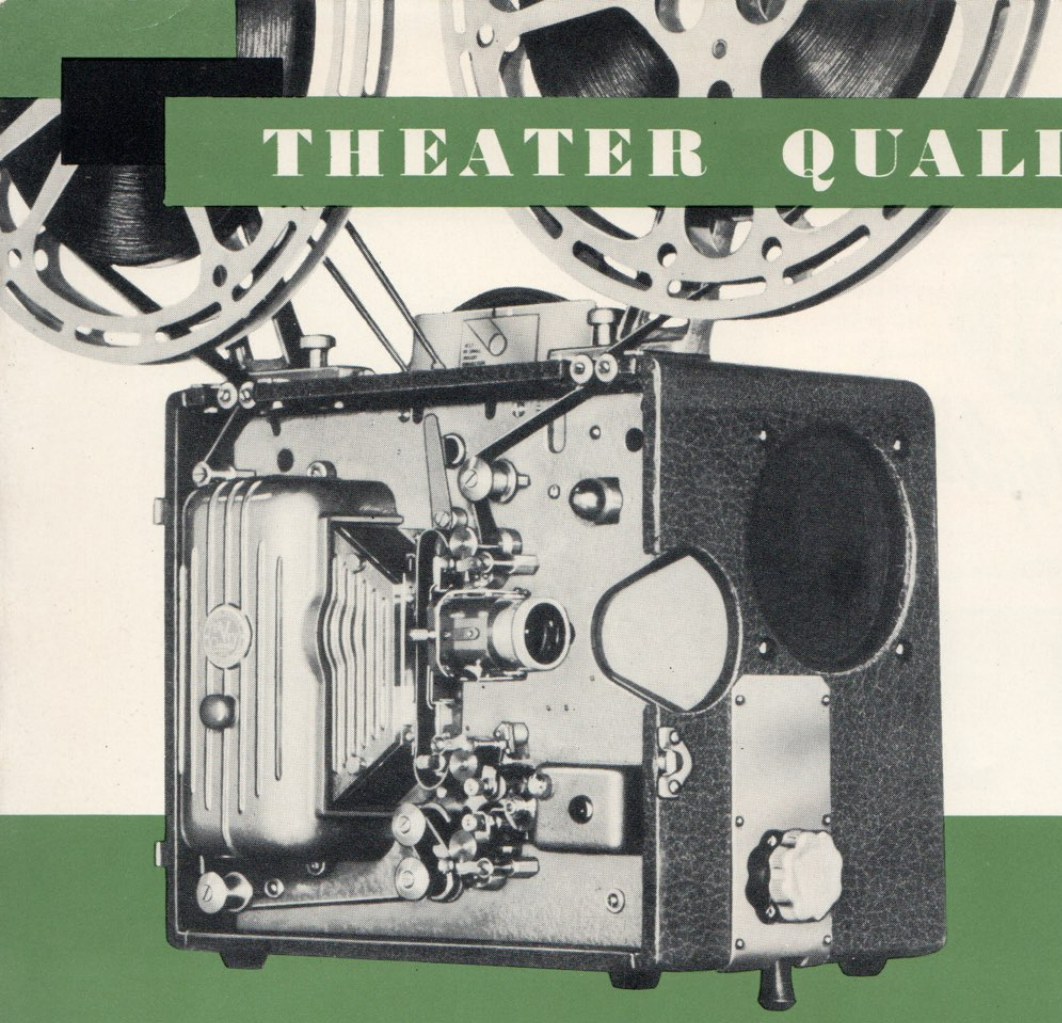
DeVrylite

The Finest in

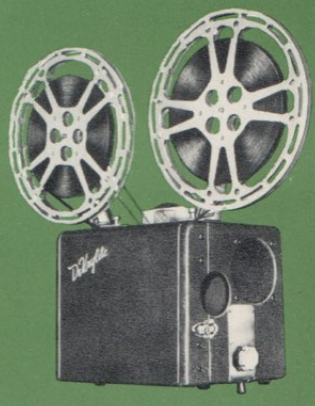
16 mm MOTION PICTURE PROJECTION EQUIPMENT

FOR CLASSROOM or AUDITORIUM

THEATER QUALITY IN SOU



COMPLETELY CONTAINED IN A SINGLE CASE



In simplicity of design . . . in compactness . . . in ease of operation . . . in top flight performance . . . the TSI-DeVrylite 16 mm. Projector has long been the leader in its field. It is unexcelled for brilliance, clarity and steadiness of screen images at silent or sound speeds, and has natural, rich tonal quality and high fidelity of sound on AC or DC.

Built as a sturdy single case unit, the TSI-DeVrylite incorporates a self-contained amplifier and built-in loudspeaker with the projector mechanism. The case serves as a "natural sounding board" . . . an innovation in speaker mounting. Under normal circumstances, the one unit will handle average auditorium audiences. For larger groups, optional extra loudspeakers are available.

By every yardstick, the TSI-DeVrylite is the *big value* in portable 16 mm. projectors for schools, churches, clubs, business and the home. Comparative tests will prove it!

Illustrated at the left above is the famous DeVrylite projector mechanism. Set-up and threading is simplicity itself.

When closed, the case presents a handsome appearance with its covering of luggage-type, brown levant-grained simulated leather, accentuated with gold stripes.

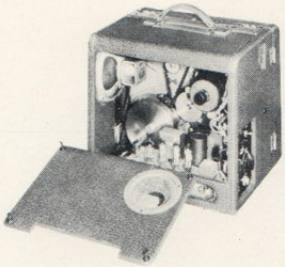
ND AND PICTURE CLARITY

TRULY PORTABLE

TSI-DeVrylite projectors are extremely light in weight. No problems are presented in carrying any model to whatever locations film showings are desired.

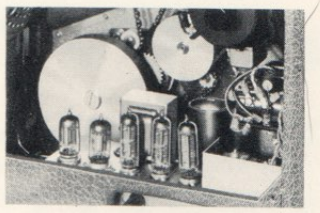
EASY TO SERVICE

Projection or exciter lamps are removed in less than a minute, and amplifier is removable as a unit. All mechanical parts are conveniently located for easy service without special tools.



HIGH FIDELITY AMPLIFIER

Utilizing either a 5-tube or a 7-tube high fidelity amplifier, at full power output, distortion is held to a minimum. In addition, the sensitivity of the vastly superior photo conductive cell plus direct scanning of the sound track assures unsurpassed fidelity of sound.



SEPARATE LOUD SPEAKERS FOR LARGE AUDIENCES

Available with 8″ or 12″ permanent magnet speakers mounted in cases of generous baffle area for high-fidelity sound. Cases match the rich finish of the projectors.

.... and in addition, these OUTSTANDING FEATURES

- ☆ For 16 mm. **SOUND FILMS**—Sound films run at the precise speed of 24 frames per second—true speed for flutter-free sound.
- ☆ For 16 mm. **SILENT FILMS**—Flickerless silent movies run at the required speed of 16 frames per second. All you do is "flip" a switch.
- ☆ **ADDING VOICE TO MOVIES**—By plugging in a microphone, voice commentary can be added to silent films through the projector's sound system.
- ☆ **MUSIC WITH FILMS**—By connecting a record turntable, musical background can be added to films through the projector's sound system.
- ☆ **SEPARATE PUBLIC ADDRESS SYSTEM**—Microphone and record turntable pickup permits use of projector alone as a public address system.
- ☆ **AUDIENCE-SIZE SCREENINGS**—The optical system accommodates a wide choice of lenses and up to 1000 watts of illumination to meet any requirement of audience and screen size.
- ☆ **NO OVERHANG**—The reels are positioned above the projector case; nothing projects below the unit itself. As a result, it can be operated on any desired area of a table or other flat surface.
- ☆ **COOL, QUIET OPERATION**—Every unit offers cool, quiet and smooth operation—even after long hours of steady use.
- ☆ **CAN BE REVERSED**—Either of the two basic models can, at slight extra cost, be supplied with a reversing feature—simplifying preliminary adjustments and permitting repeat showing of portions of film.
- ☆ **REPRODUCES ANY OPTICAL SOUND TRACK**—Lifelike sound is obtained from *both* Variable Area and Variable Density sound tracks—without adjustment.
- ☆ **LONGER FILM SHOWS**—2000 feet of films can be projected without reel change or special attachments —for sound shows nearly one hour long.
- ☆ **SAFE PROJECTOR REWINDING**—The motor powered rewind system automatically rewinds film with complete safety and with no changing of reels.
- ☆ **NO LUBRICATION WORRIES**—Oil-cushioned motor ball bearings are used throughout. The shuttle and cam are self-lubricated for up to 500 hours of operation.
- ☆ **NATION-WIDE SERVICE**—While a minimum of service is required for any unit, when any necessary repairs are needed, competent technicians are strategically located to provide quick and complete service.

TSI *DeVrylite* **16mm. PROJECTORS**

SPECIFICATIONS

OPTICAL SYSTEM

ILLUMINATION. Standard low cost 1,000 or 750 watt prefocused lamps (750 supplied).

FASTEST LENS. Coated 2 inch f/1.6 anastigmat projection lens. Interchangeable with 1, 1½, 2½, 3, 3½ and 4 inch lenses.

CONDENSING LENSES. Ground, polished and coated two element system. Passes more light from lamp to lens.

REFLECTOR. Silver coated reflector redirects more light to the lens system.

MECHANICAL

FILM CAPACITY. Top mounted reel arms accommodate 2000 ft. reels without special attachments.

FAST POWER REWIND. Safe and sure, no shifting of reels.

GOVERNOR CONTROLLED MOTOR. Operating speed constant within 2% at both sound and silent speeds.

DRIVE. Silent chain drive for smooth, quiet operation—just like theatre projectors.

INTERMITTENT. Precise shuttle and cam film advancement with minimum strain on film.

FAST SHUTTER. Reduces flicker at both sound and silent speeds.

TILT CONTROL. Permits quick, easy centering of picture on screen. Stays put.

LOOPSETTER. For non-stop shows. Resets lower loop when "lost" due to faulty film.

FILM PROTECTION. All sprockets, rollers, film channels undercut—at no time does picture area or sound track touch stationary parts.

LUBRICATION. Oil cushioned sealed motor ball bearings require no attention. Shuttle and cam automatically oil-lubricated for up to 500 hours of operation.

COOLING. Exhaust type blower removes hot air—projector always comfortably "cool to the touch." Lamps last much longer.

FRAMING-FOCUSING. Both adjustments precise and speedy.

CARRYING CASE. Luggage-type, richly finished case of brown, levant-grained simulated leather, accentuated with gold stripes.

SOUND SYSTEM

PHOTO CELL. Newest and best distortion-free lead sulphide photo resistive cell; same as specified in Army and Navy projectors.

EXCITER LAMP. Brilliant prefocused lamp requires no adjustment.

SOUND DRUM. Precision made, rotates with the film. Dynamically balanced, ball-bearing supported flywheel assures freedom from wow and flutter.

SOUND LENS. Precise optical system projects sharp slit image direct from exciter lamp.

AMPLIFIER. Low distortion, wide frequency range AC-DC type. Easily removed for service.

SPEAKER. Finest Alnico V permanent magnet type, front mounted within case for audience-beamed sound.

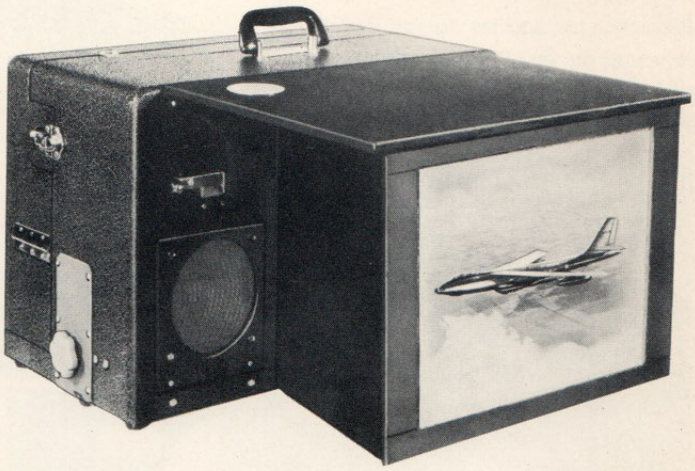
MICROPHONE and PHONO INPUTS. You can make comments or play music while running silent film. Provides separate P. A. facilities.

We reserve the right to change specifications and prices without prior notice.

TSI DeVRYLITE PROJECTORS ARE SUPPLIED IN 4 MODELS

Basically, all TSI-DeVrylite projectors are of the same design and are contained in cases of identical style and dimensions. A choice of amplifying power has been made available, however, with the two models being designated as the TSI-DeVrylite "5" and the TSI-DeVrylite "15"—the latter offering proportionately greater power output. In addition, either of these models can be supplied with a reverse feature, being identified as the TSI-DeVrylite "5R" and the TSI-DeVrylite "15R."

BUILT BY THE MANUFACTURERS OF THE FAMOUS TSI "SUITCASE" PROJECTORS



Throughout industry, these projectors are providing a most effective method of presenting business films. Each is a complete self-operating unit. Set up and running in seconds, the "Suitcase" Projector needs no accessory equipment . . . no screen to set up . . . no sound speaker to engage . . . and above all no reels of film to thread. All of these features are combined in a handsome one unit carrying case.

Because of the exclusive feature of continuous magazine operation, no threading or rewinding of film is necessary. When the self-contained 16 mm. film magazine is in operation, film is automatically rewound. When the film has been run through once, it immediately is ready to run again.

Literature providing detailed information on TSI "Suitcase" Projectors is available and will be supplied to you upon request.

TECHNICAL SERVICE INCORPORATED

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